

Flexisteel®

A new level of ride comfort



Save space

Use fewer traction ropes

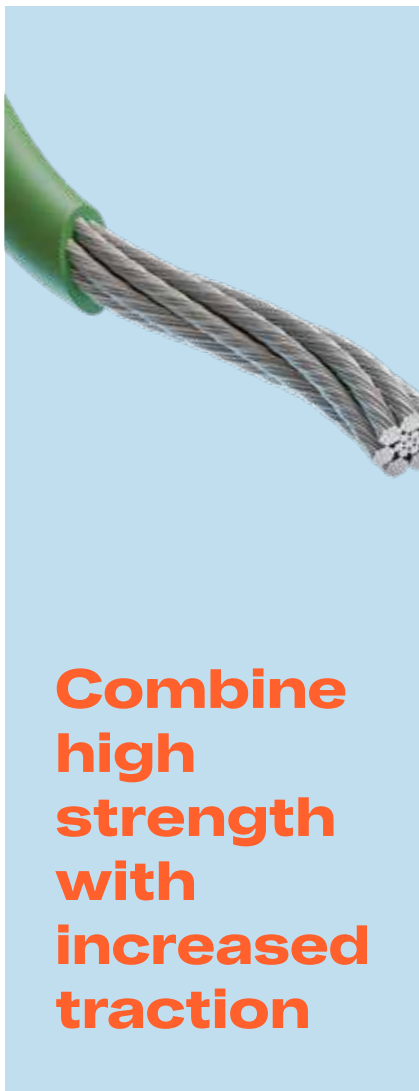
Reduce energy consumption

More space, greater comfort

Now you can design elevators that offer passengers a more comfortable, spacious ride. These benefits are possible thanks to the small diameter and high fatigue resistance of Flexisteel®.

Save energy, cut costs

Flexisteel® enables you to optimize the elevator design and reduce elevator weight. It can significantly reduce an elevator's energy consumption and cost.



**Combine
high
strength
with
increased
traction**

The smart elevator suspension rope

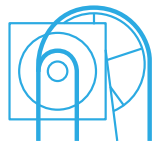
Reduce the number of ropes needed to operate an elevator by using our high-tensile, high-engineered steel cords. Benefit from a minimum breaking load of 28 kN. Lower an elevator's maintenance costs, as lubrication is not needed for Flexisteel®.

Technical data

- Min. breaking load: 28 kN
- Linear weight: 120 g/m
- Outer diameter: 6.5 mm



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Designed for small pulleys

Use smaller, more cost-efficient motors with smaller sheaves thanks to the small diameter and high fatigue resistance of Flexisteel®. This enables space-efficient elevator designs.



Increased traction capabilities

The elastomer coating of Flexisteel® has a higher friction factor compared to conventional steel ropes, which increases the traction capabilities.



Low elongation

Passengers will enjoy an improved ride quality because Flexisteel® displays minimal sag when passengers move in and out of the elevator cabin.

Reduce elevator maintenance costs

Flexisteel® makes your elevator more attractive for new projects as it cuts maintenance costs. This is due to the smart design of the rope, which results for example in reduced permanent stretch of the construction and less downtime.



bekaert.com/flexisteel

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Permanent
Stretch

8x19S FC



8x19W IWRC



Flexisteel® G5

